

RAW SEQUENCE LISTING

EFS

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/506,893A
Source: 1FW16
Date Processed by STIC: 4/12/07

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 04/12/2007

PATENT APPLICATION: US/10/506,893A

TIME: 14:41:36

Input Set : N:\EFS\04_12_07\10506893a_efs\SEQ-LIST-04-09-07.txt

Output Set: N:\CRF4\04122007\J506893A.raw

3 <110> APPLICANT: Eming, Sabine
 4 Krieg, Thomas
 5 Sollberg, Stephan
 6 Lauer, Gereon
 8 <120> TITLE OF INVENTION: Proteolysis Resistant Active VEGF
 10 <130> FILE REFERENCE: 3030-101
 12 <140> CURRENT APPLICATION NUMBER: 10/506,893A
 C--> 13 <141> **CURRENT FILING DATE: 2005-09-01**
 15 <150> PRIOR APPLICATION NUMBER: PCT/EP03/02289
 16 <151> PRIOR FILING DATE: 2003-03-06
 18 <150> PRIOR APPLICATION NUMBER: EP 02005186.8
 19 <151> PRIOR FILING DATE: 2002-03-08
 21 <160> NUMBER OF SEQ ID NOS: 18
 23 <170> SOFTWARE: PatentIn version 3.3
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 165
 27 <212> TYPE: PRT
 28 <213> ORGANISM: Artificial
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: mutated human VEGF
 33 <400> SEQUENCE: 1
 35 Ala Pro Met Ala Glu Gly Gly Gly Gln Asn His His Glu Val Val Lys
 36 1 5 10 15
 39 Phe Met Asp Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu
 40 20 25 30
 43 Val Asp Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys
 44 35 40 45
 47 Pro Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu
 48 50 55 60
 51 Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln Ile
 52 65 70 75 80
 55 Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met Ser Phe
 56 85 90 95
 59 Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp Arg Pro Arg
 60 100 105 110
 63 Gln Glu Asn Pro Cys Gly Pro Cys Ser Glu Arg Arg Lys His Leu Phe
 64 115 120 125
 67 Val Gln Asp Pro Gln Thr Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser
 68 130 135 140
 71 Arg Cys Lys Ala Arg Gln Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys
 72 145 150 155 160
 75 Asp Lys Pro Arg Arg
 76 165

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79 <210> SEQ ID NO: 2
80 <211> LENGTH: 165
81 <212> TYPE: PRT
82 <213> ORGANISM: Artificial
84 <220> FEATURE:
85 <223> OTHER INFORMATION: mutated human VEGF
87 <400> SEQUENCE: 2
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90 1          5          10          15
93 Phe Met Asp Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu
94          20          25          30
97 Val Asp Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys
98          35          40          45
101 Pro Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu
102          50          55          60
105 Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln Ile
106 65          70          75          80
109 Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met Ser Phe
110          85          90          95
113 Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp Lys Pro Arg
114          100         105         110
117 Gln Glu Asn Pro Cys Gly Pro Cys Ser Glu Arg Arg Lys His Leu Phe
118          115         120         125
121 Val Gln Asp Pro Gln Thr Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser
122          130         135         140
125 Arg Cys Lys Ala Arg Gln Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys
126 145         150         155         160
129 Asp Lys Pro Arg Arg
130          165
133 <210> SEQ ID NO: 3
134 <211> LENGTH: 26
135 <212> TYPE: PRT
136 <213> ORGANISM: Homo sapiens
138 <400> SEQUENCE: 3
140 Met Asn Phe Leu Leu Ser Trp Val His Trp Ser Leu Ala Leu Leu Leu
141 1          5          10          15
144 Tyr Leu His His Ala Lys Trp Ser Gln Ala
145          20          25
148 <210> SEQ ID NO: 4
149 <211> LENGTH: 27
150 <212> TYPE: DNA
151 <213> ORGANISM: Homo sapiens
153 <400> SEQUENCE: 4
154 gaccaaagaa agatagagca agacaag
157 <210> SEQ ID NO: 5
158 <211> LENGTH: 8
159 <212> TYPE: PRT
160 <213> ORGANISM: Homo sapiens
162 <400> SEQUENCE: 5

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164 Pro Lys Lys Asp Arg Ala Arg Gln
165 1      5
168 <210> SEQ ID NO: 6
169 <211> LENGTH: 27
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial
173 <220> FEATURE:
174 <223> OTHER INFORMATION: mutated human VEGF sequence
176 <400> SEQUENCE: 6
177 gaccaaagaa agatgccgca agacaag      27
180 <210> SEQ ID NO: 7
181 <211> LENGTH: 8
182 <212> TYPE: PRT
183 <213> ORGANISM: Artificial
185 <220> FEATURE:
186 <223> OTHER INFORMATION: mutated human VEGF fragment
188 <400> SEQUENCE: 7
190 Pro Lys Lys Asp Ala Ala Arg Gln
191 1      5
194 <210> SEQ ID NO: 8
195 <211> LENGTH: 27
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial
199 <220> FEATURE:
200 <223> OTHER INFORMATION: mutated human VEGF sequence
202 <400> SEQUENCE: 8
203 gaccaaagaa agatcaggca agacaag      27
206 <210> SEQ ID NO: 9
207 <211> LENGTH: 8
208 <212> TYPE: PRT
209 <213> ORGANISM: Artificial
211 <220> FEATURE:
212 <223> OTHER INFORMATION: mutated human VEGF fragment
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217 1      5
220 <210> SEQ ID NO: 10
221 <211> LENGTH: 27
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial
225 <220> FEATURE:
226 <223> OTHER INFORMATION: mutated human VEGF sequence
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232 <210> SEQ ID NO: 11
233 <211> LENGTH: 8
234 <212> TYPE: PRT
235 <213> ORGANISM: Artificial
237 <220> FEATURE:

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240 <400> SEQUENCE: 11
242 Pro Lys Lys Asp Arg Pro Arg Gln
243 1 5
246 <210> SEQ ID NO: 12
247 <211> LENGTH: 27
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial
251 <220> FEATURE:
252 <223> OTHER INFORMATION: mutated human VEGF sequence
254 <400> SEQUENCE: 12
255 gaccaaagaa agataagcca agacaag
258 <210> SEQ ID NO: 13
259 <211> LENGTH: 8
260 <212> TYPE: PRT
261 <213> ORGANISM: Artificial
263 <220> FEATURE:
264 <223> OTHER INFORMATION: mutated human VEGF fragment
266 <400> SEQUENCE: 13
268 Pro Lys Lys Asp Lys Pro Arg Gln
269 1 5
272 <210> SEQ ID NO: 14
273 <211> LENGTH: 4
274 <212> TYPE: PRT
275 <213> ORGANISM: Homo sapiens
277 <400> SEQUENCE: 14
279 Asp Arg Ala Arg
280 1
283 <210> SEQ ID NO: 15
284 <211> LENGTH: 4
285 <212> TYPE: PRT
286 <213> ORGANISM: Artificial
288 <220> FEATURE:
289 <223> OTHER INFORMATION: mutated human VEGF fragment
291 <400> SEQUENCE: 15
293 Asp Gln Ala Arg
294 1
297 <210> SEQ ID NO: 16
298 <211> LENGTH: 4
299 <212> TYPE: PRT
300 <213> ORGANISM: Artificial
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303 <223> OTHER INFORMATION: mutated human VEGF fragment
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308 1
311 <210> SEQ ID NO: 17
312 <211> LENGTH: 4
313 <212> TYPE: PRT

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Output Set: N:\CRF4\04122007\J506893A.raw

314 <213> ORGANISM: Artificial
316 <220> FEATURE:
317 <223> OTHER INFORMATION: mutated human VEGF fragment
319 <400> SEQUENCE: 17
321 Asp Arg Pro Arg
322 1
325 <210> SEQ ID NO: 18
326 <211> LENGTH: 4
327 <212> TYPE: PRT
328 <213> ORGANISM: Artificial
330 <220> FEATURE:
331 <223> OTHER INFORMATION: mutated human VEGF fragment
333 <400> SEQUENCE: 18
335 Asp Lys Pro Arg
336 1

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/506,893A

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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,6,7,8,9,10,11,12,13,15,16,17,18

VERIFICATION SUMMARY

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date